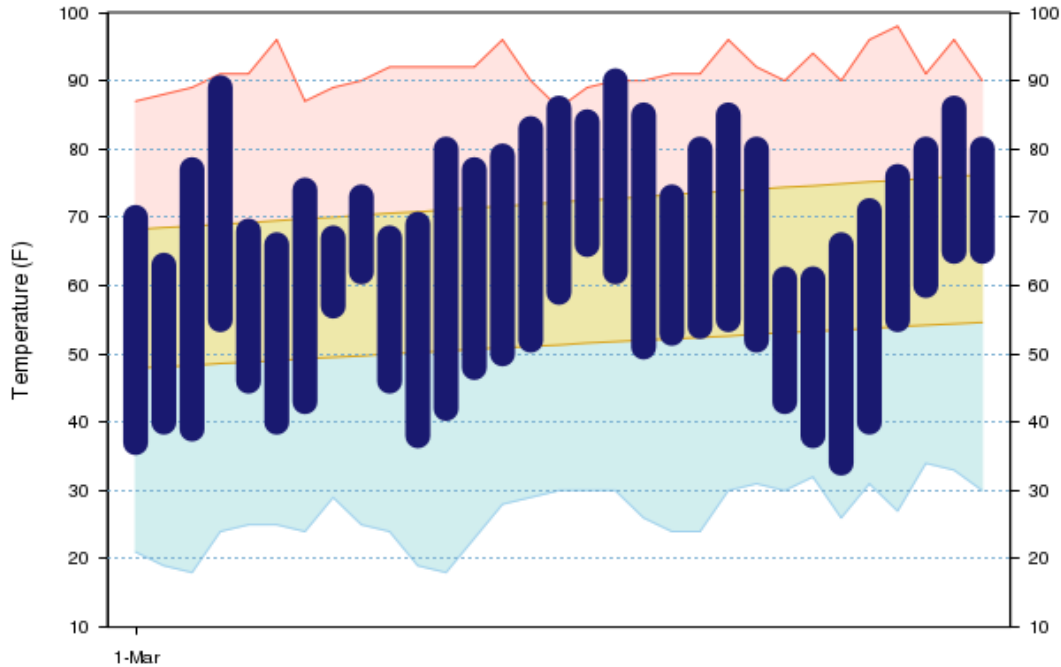


March 2013 Weather in Review

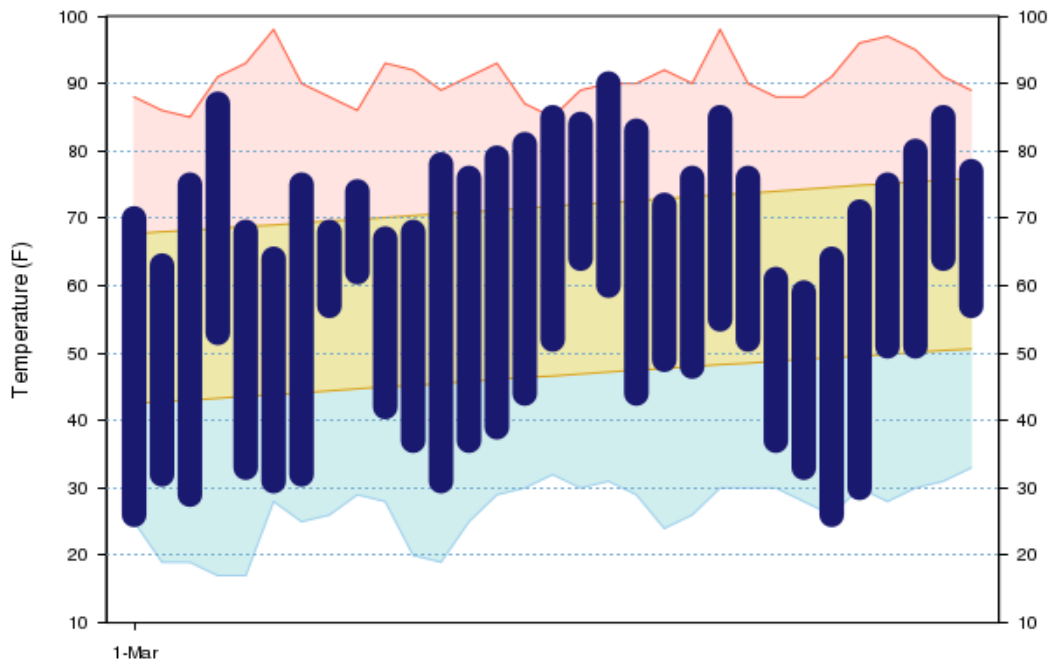
The daily highs and lows for March 2013 are listed below for Austin Mabry, Austin Bergstrom, Burnet, Del Rio, Hondo, New Braunfels, San Antonio International Airport and San Antonio Stinson.

Temperature Summary for Austin Area
Mar 1, 2013 - Mar 31, 2013



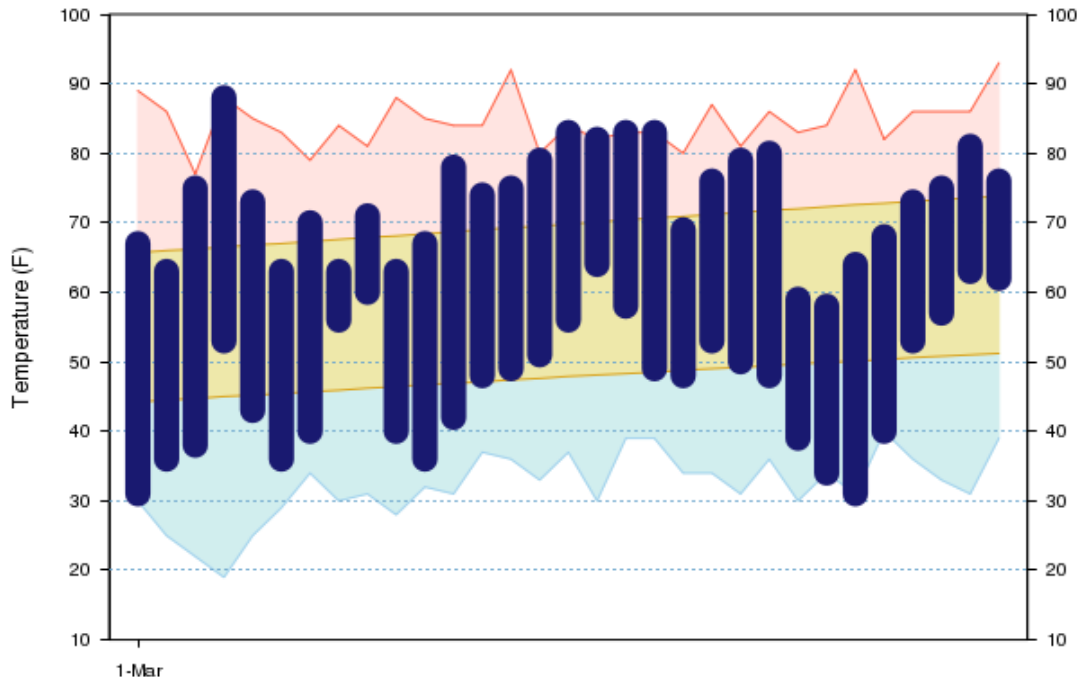
Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for Austin-Bergstrom Airport Area
Mar 1, 2013 - Mar 31, 2013



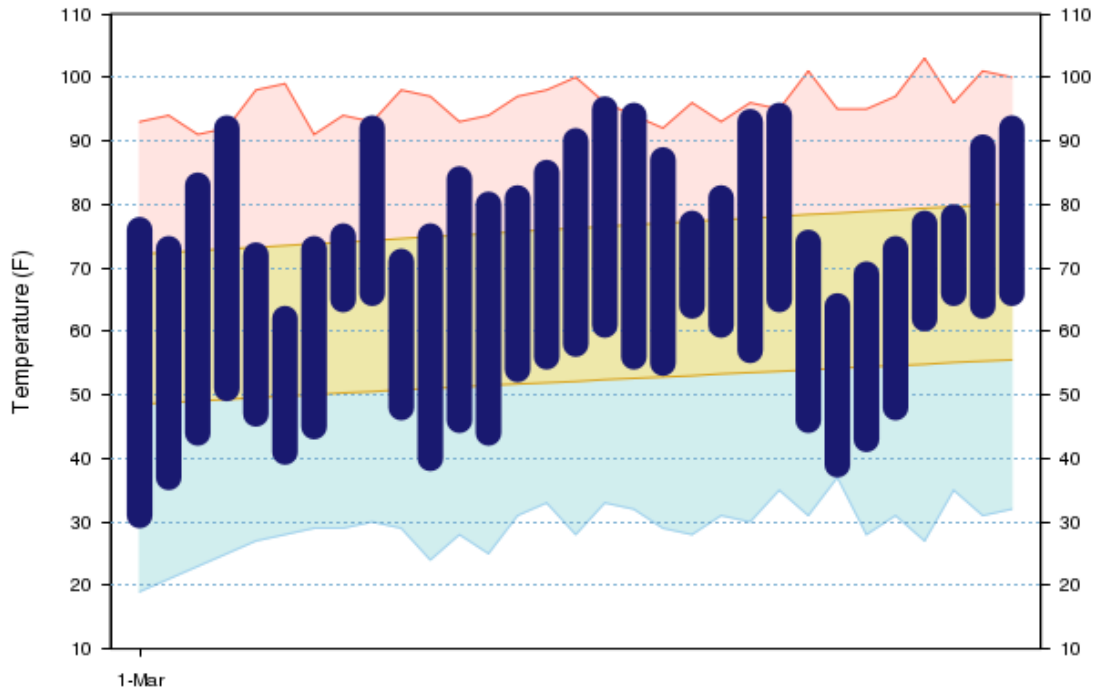
Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for BURNET MUNI AP Mar 1, 2013 - Mar 31, 2013



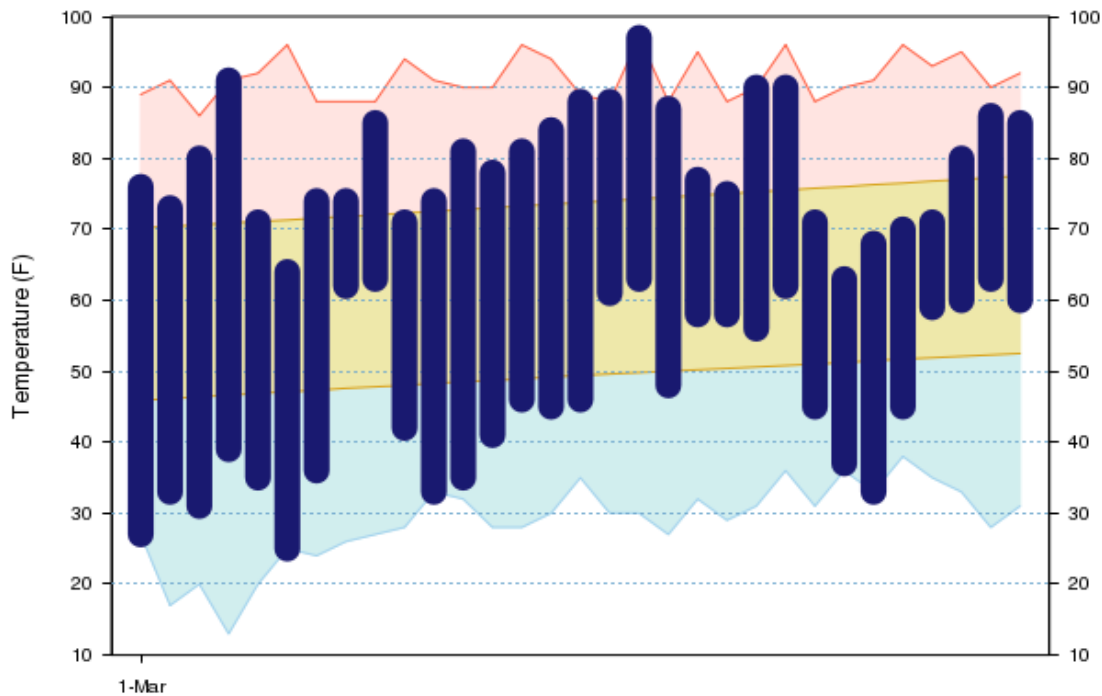
Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for Del Rio Area Mar 1, 2013 - Mar 31, 2013



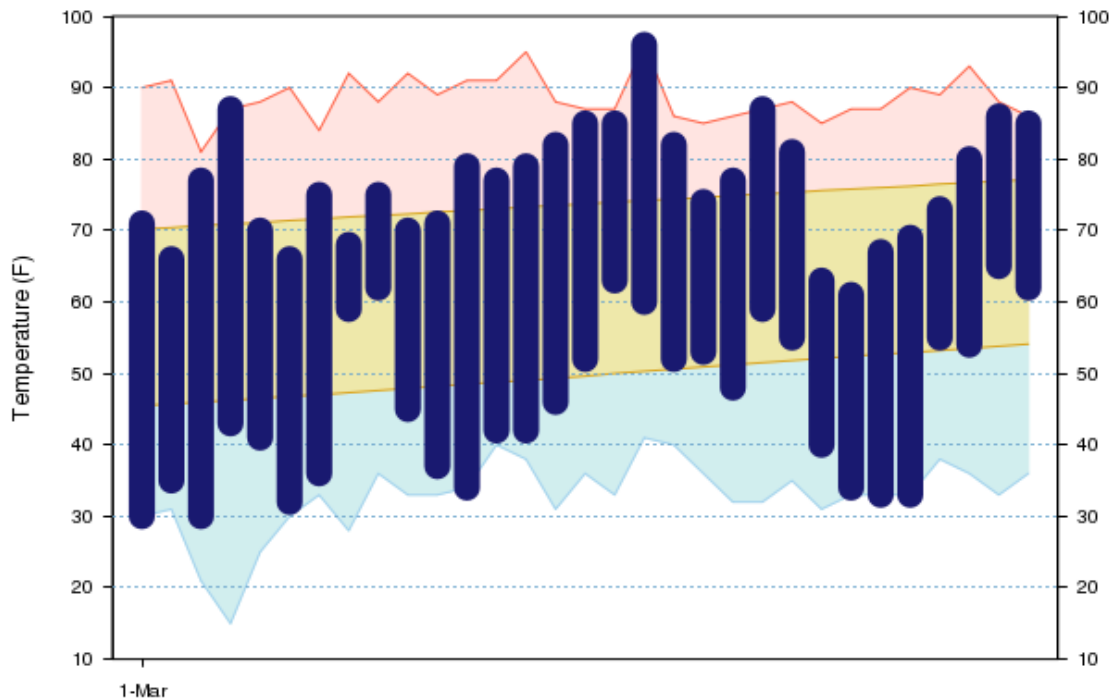
Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for HONDO MUNI AP Mar 1, 2013 - Mar 31, 2013



Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

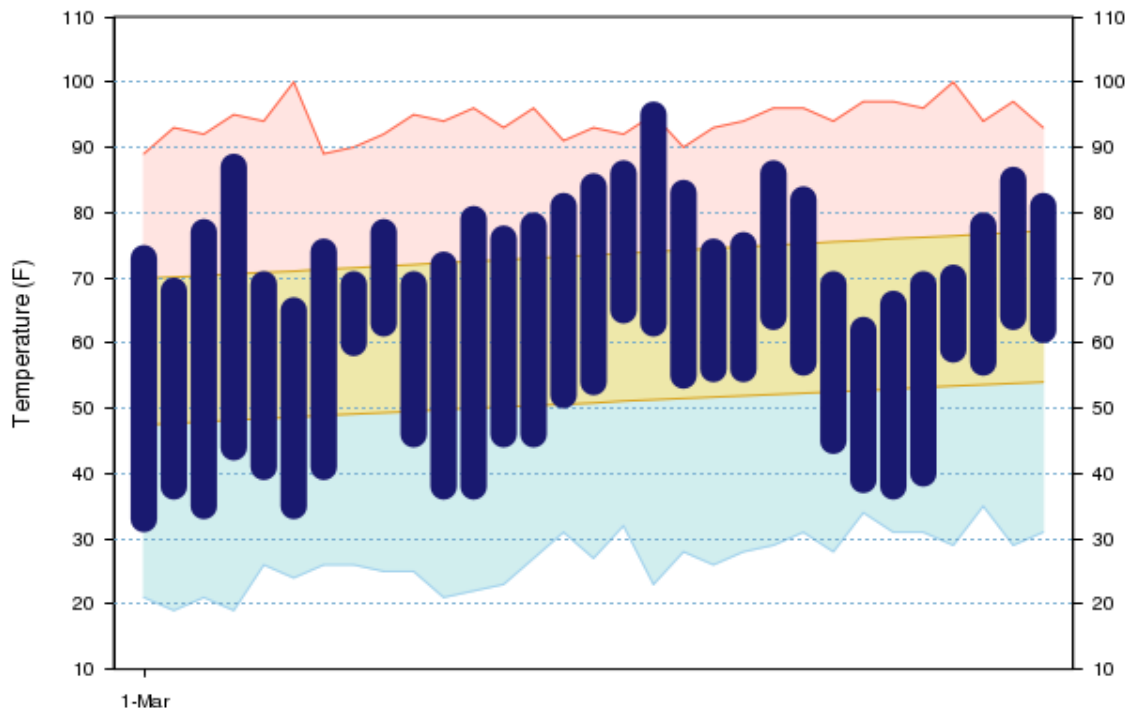
Temperature Summary for NEW BRAUNFELS MUNI AP Mar 1, 2013 - Mar 31, 2013



Observed daily maximum and minimum temperatures are connected by dark blue bars.
Area between normal maximum and minimum temperatures has tan shading.
Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for San Antonio Area

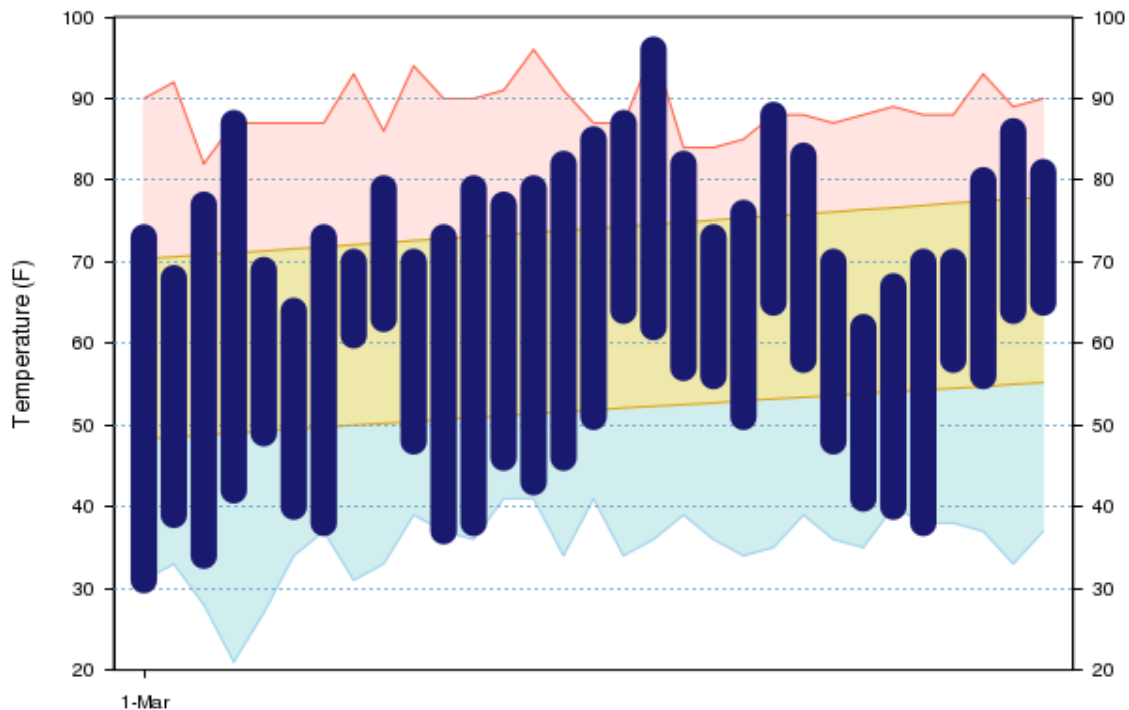
Mar 1, 2013 - Mar 31, 2013



Observed daily maximum and minimum temperatures are connected by dark blue bars.
 Area between normal maximum and minimum temperatures has tan shading.
 Red line connects record high temperatures. Light blue line connects record low temperatures.

Temperature Summary for SAN ANTONIO STINSON AP

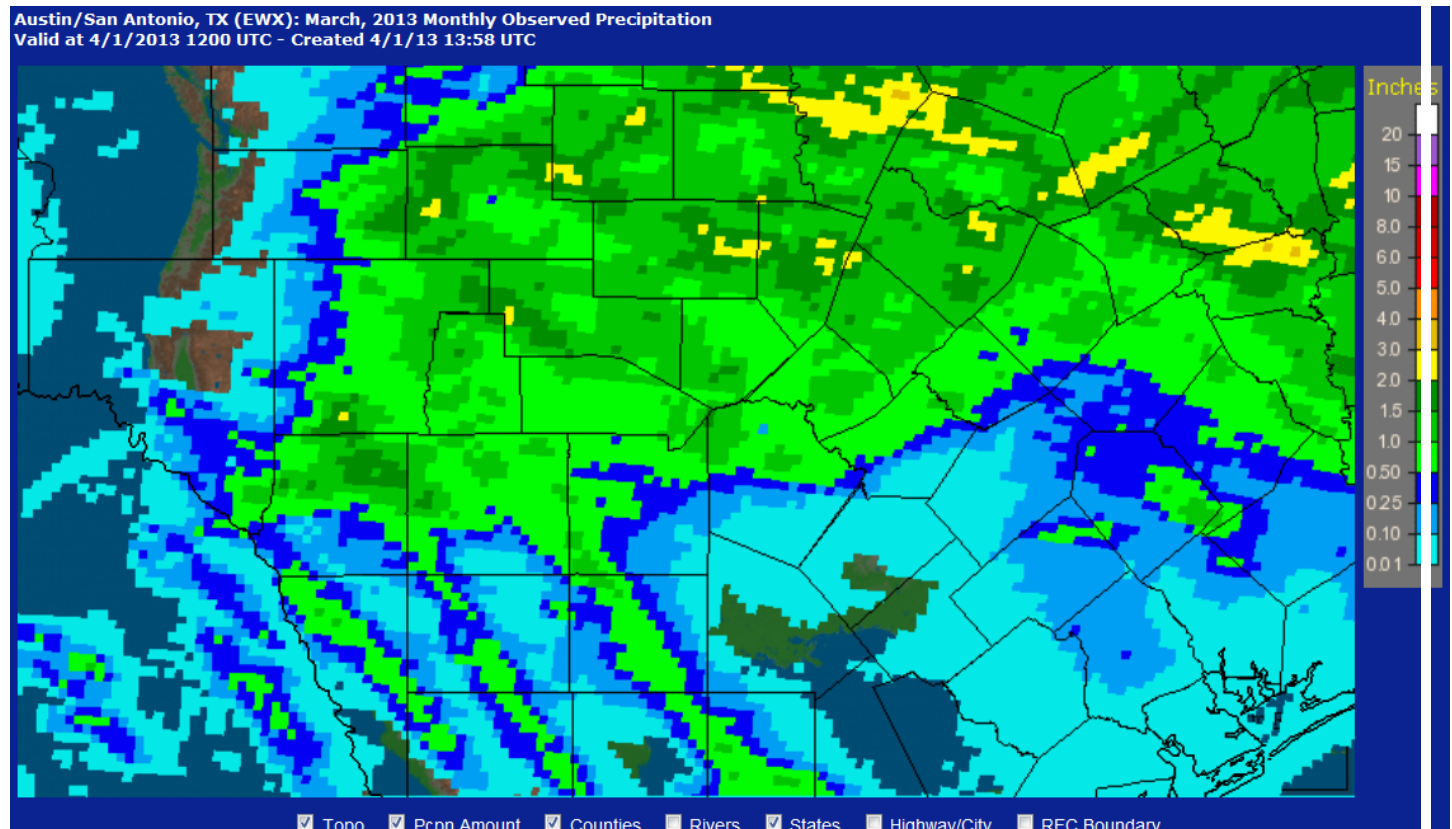
Mar 1, 2013 - Mar 31, 2013



Observed daily maximum and minimum temperatures are connected by dark blue bars.
 Area between normal maximum and minimum temperatures has tan shading.
 Red line connects record high temperatures. Light blue line connects record low temperatures.

March 2013 Rainfall...

March 2013 rainfall continued the trend from February 2013 of drier than usual monthly rainfall. Several rain events came during the month, with the most rain coming on March 9th to March 10th and on March 31st. The chart below shows rainfall across South Central Texas in March 2013.



The rainfall from October 2012 to March 2013 was one of the drier October to March 6 Month periods across South Central Texas. The lists below show the driest October to March periods of record for Austin, Del Rio, and San Antonio.

OCTOBER 2012 TO MARCH 2013 RAINFALL AT AUSTIN MABRY WAS 5.70 INCHES... 10.54 INCHES BELOW THE 30 YEAR 1981 TO 2010 NORMAL RAINFALL FROM OCTOBER TO MARCH OF 16.24 INCHES. OCTOBER 2012 TO MARCH 2013 RAIN AT AUSTIN MABRY WAS THE 8TH DRIEST OCTOBER TO MARCH AT AUSTIN MABRY SINCE 1856.

THE DRIEST 6 MONTH OCTOBER TO MARCH PERIODS AT AUSTIN MABRY FROM 1856 TO 2013 ARE LISTED BELOW.

- | | |
|------------------------------|-------------------------------|
| 1. OCT 1924 TO MAR 1925 2.56 | 7. OCT 1901 TO MAR 1902 5.47 |
| 2. OCT 1966 TO MAR 1967 4.44 | 8. OCT 2012 TO MAR 2013 5.70 |
| 3. OCT 1886 TO MAR 1887 4.83 | 9. OCT 1903 TO MAR 1904 5.82 |
| 4. OCT 1916 TO MAR 1917 4.85 | 10. OCT 1955 TO MAR 1956 6.15 |
| 5. OCT 2010 TO MAR 2011 5.04 | 11. OCT 1878 TO MAR 1879 6.23 |
| 6. OCT 1898 TO MAR 1899 5.07 | 12. OCT 1995 TO MAR 1996 6.44 |

OCTOBER 2012 TO MARCH 2013 RAINFALL AT AUSTIN BERGSTROM WAS 6.39 INCHES...9.87 INCHES BELOW THE 30 YEAR 1981 TO 2010 NORMAL RAINFALL FROM OCTOBER TO MARCH OF 16.26 INCHES. OCTOBER 2012 TO MARCH 2013 RAIN AT AUSTIN BERGSTROM WAS THE 5TH DRIEST OCTOBER TO MARCH AT AUSTIN BERGSTROM SINCE OCTOBER 1942.

THE DRIEST 6 MONTH OCTOBER TO MARCH PERIODS AT AUSTIN BERGSTROM FROM OCTOBER 1942 TO 2013 ARE LISTED BELOW.

- | | |
|------------------------------|-------------------------------|
| 1. OCT 1966 TO MAR 1967 4.57 | 6. OCT 1961 TO MAR 1962 6.55 |
| 2. OCT 1942 TO MAR 1943 4.86 | 7. OCT 1946 TO MAR 1947 7.16 |
| 3. OCT 1970 TO MAR 1971 5.52 | 8. OCT 1951 TO MAR 1952 7.34 |
| 4. OCT 2010 TO MAR 2011 6.24 | 9. OCT 1955 TO MAR 1956 7.50 |
| OCT 2008 TO MAR 2009 6.24 | 10. OCT 1999 TO MAR 2000 8.23 |
| 5. OCT 2012 TO MAR 2013 6.39 | 11. OCT 1995 TO MAR 1996 8.24 |

OCTOBER 2012 TO MARCH 2013 RAINFALL AT SAN ANTONIO WAS 6.92 INCHES... 6.24 INCHES BELOW THE 30 YEAR 1981 TO 2010 NORMAL RAINFALL FROM OCTOBER TO MARCH OF 14.16 INCHES. OCTOBER 2012 TO MARCH 2013 RAIN AT SAN ANTONIO WAS THE 29TH DRIEST OCTOBER TO MARCH AT SAN ANTONIO SINCE 1871.

THE DRIEST 6 MONTH OCTOBER TO MARCH PERIODS AT SAN ANTONIO FROM 1871 TO 2013 ARE LISTED BELOW. THE LIST BELOW OF THE 12 DRIEST OCTOBER TO MARCH PERIODS AT SAN ANTONIO SHOWS 4 DRY OCTOBER TO MARCH PERIODS AT SAN ANTONIO FROM OCTOBER 2005 TO MARCH 2011.

- | | |
|------------------------------|-------------------------------|
| 1. OCT 1901 TO MAR 1902 2.28 | 7. OCT 1924 TO MAR 1925 3.76 |
| 2. OCT 1970 TO MAR 1971 2.36 | 8. OCT 2005 TO MAR 2006 3.77 |
| 3. OCT 1886 TO MAR 1887 2.67 | 9. OCT 1917 TO MAR 1918 3.88 |
| 4. OCT 1995 TO MAR 1996 2.68 | 10. OCT 2008 TO MAR 2009 3.95 |
| 5. OCT 1903 TO MAR 1904 3.53 | 11. OCT 2007 TO MAR 2008 3.99 |
| 6. OCT 1898 TO MAR 1899 3.60 | 12. OCT 2010 TO MAR 2011 4.22 |

OCTOBER 2012 TO MARCH 2013 RAINFALL AT DEL RIO WAS 1.54 INCHES... 5.01 INCHES BELOW THE 30 YEAR 1981 TO 2010 NORMAL RAINFALL FROM OCTOBER TO MARCH OF 6.55 INCHES. THIS MADE OCTOBER 2012 TO MARCH 2013 RAIN AT DEL RIO THE 7TH DRIEST OCTOBER TO MARCH AT DEL RIO SINCE DECEMBER 1905.

THE DRIEST 6 MONTH OCTOBER TO MARCH PERIODS AT DEL RIO FROM DECEMBER 1905 TO 2013 ARE LISTED BELOW.

- | | |
|------------------------------|-------------------------------|
| 1. OCT 1917 TO MAR 1918 0.19 | 7. OCT 2012 TO MAR 2013 1.54 |
| 2. OCT 2010 TO MAR 2011 0.31 | 8. OCT 1915 TO MAR 1916 1.55 |
| 3. OCT 1970 TO MAR 1971 0.47 | 9. OCT 1999 TO MAR 2000 1.65 |
| 4. OCT 1916 TO MAR 1917 0.94 | 10. OCT 1987 TO MAR 1988 1.66 |
| 5. OCT 1921 TO MAR 1922 1.23 | 11. OCT 1924 TO MAR 1925 1.86 |
| 6. OCT 1950 TO MAR 1951 1.49 | 12. OCT 2001 TO MAR 2002 2.03 |

March 2013 Daily Climate Records...

AUSTIN CAMP MABRY

THE HIGH OF 86 ON MARCH 16TH AT AUSTIN MABRY BROKE THE DAILY RECORD HIGH FOR MARCH 16TH OF 85 SET ON MARCH 16, 2009.

THE HIGH OF 90 ON MARCH 18TH AT AUSTIN MABRY BROKE THE DAILY RECORD HIGH FOR MARCH 18TH OF 88 SET ON MARCH 18, 2011.

MARCH 2013 RECORDS SET AT AUSTIN BERGSTROM

THE HIGH OF 85 ON MARCH 16TH AT AUSTIN BERGSTROM TIED THE DAILY RECORD HIGH FOR MARCH 16TH OF 85 SET ON MARCH 16, 2009.

THE HIGH OF 90 ON MARCH 18TH AT AUSTIN BERGSTROM BROKE THE DAILY RECORD HIGH FOR MARCH 18TH OF 88 SET ON MARCH 18, 1957.

THE LOW OF 26 ON MARCH 26TH AT AUSTIN BERGSTROM BROKE THE DAILY RECORD LOW FOR MARCH 26TH OF 28 SET ON MARCH 26, 1955.

THE LOW OF 30 ON MARCH 27TH AT AUSTIN BERGSTROM BROKE THE DAILY RECORD LOW FOR MARCH 27TH OF 32 SET ON MARCH 27, 1955.

MARCH 2013 RECORDS SET AT DEL RIO

THE HIGH OF 92 ON MARCH 4TH AT DEL RIO TIED THE DAILY RECORD HIGH OF 92 SET ON MARCH 4, 1938.

THE HIGH OF 94 ON MARCH 18TH AT DEL RIO TIED THE DAILY RECORD HIGH OF 94 SET ON MARCH 18, 1928.

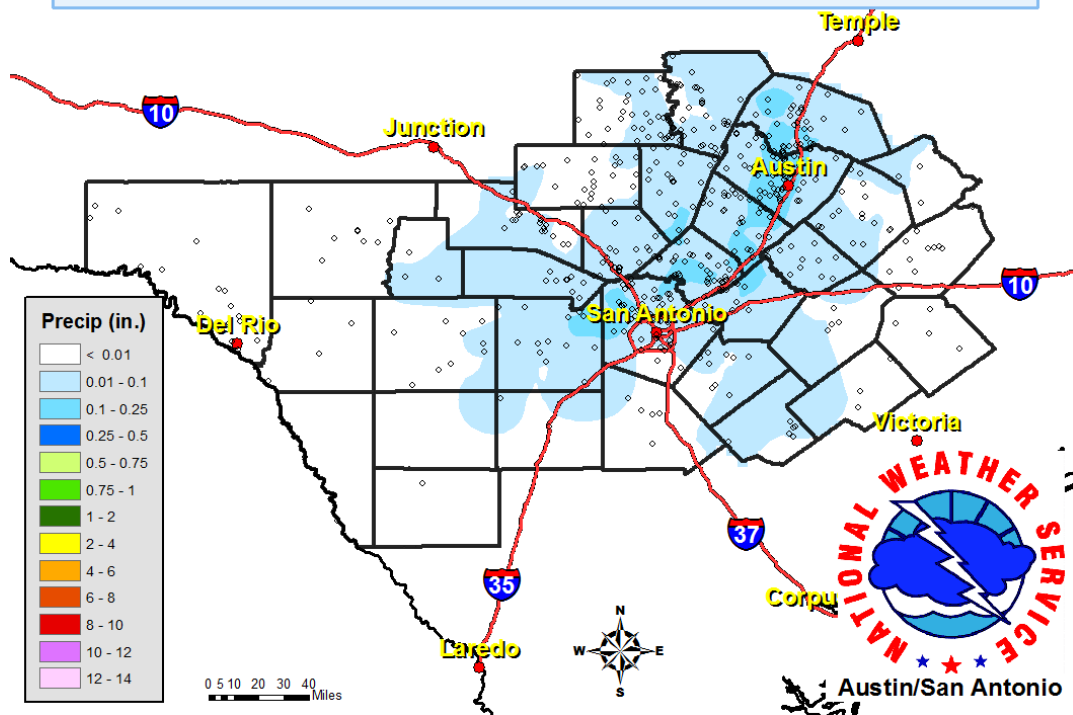
MARCH 2013 RAINFALL AT DEL RIO OF 0.06 INCHES MADE MARCH 2013 TIE WITH MARCH OF 1918, 1975 AND 1984 FOR THE 6TH DRIEST MARCH AT DEL RIO SINCE DECEMBER 1905.

MARCH 2013 RECORDS SET AT SAN ANTONIO

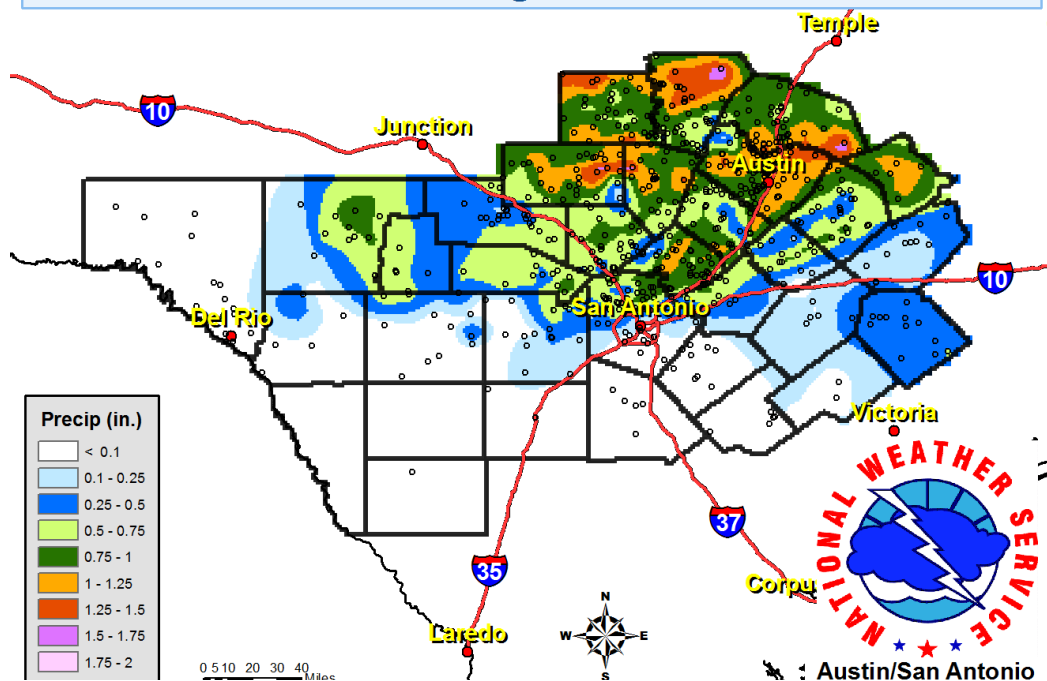
THE HIGH OF 95 ON MARCH 18TH AT SAN ANTONIO BROKE THE DAILY RECORD HIGH OF 93 SET ON MARCH 18, 1894.

A few of the heavier 24 hour rainfall events ending at 7 AM in March 2013 are shown by the 24 hour rainfall maps below.

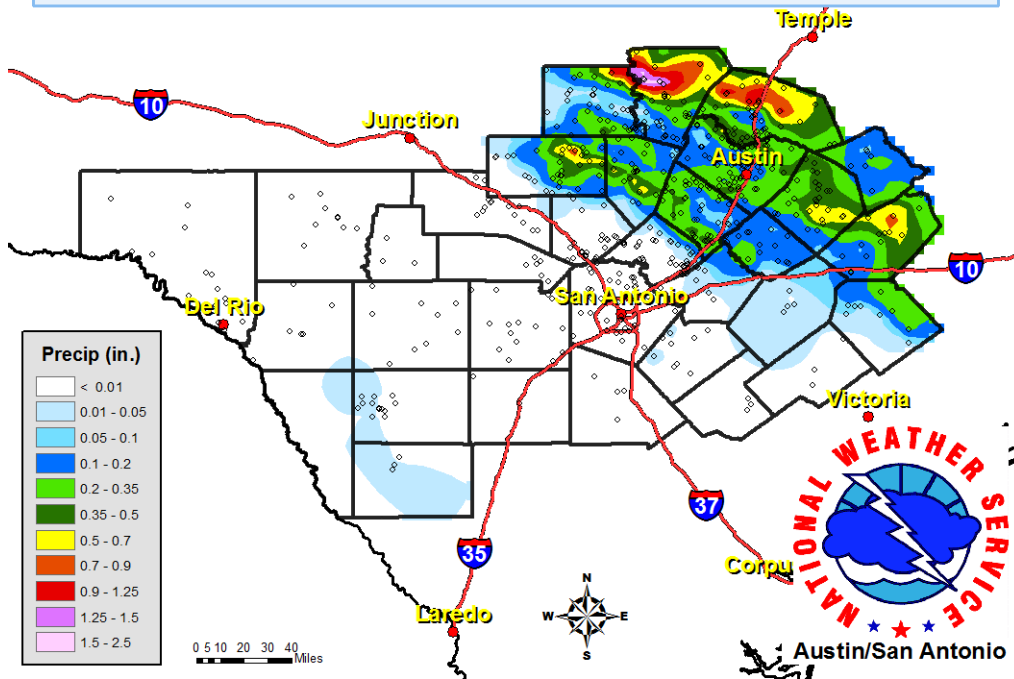
24Hr Rainfall Ending 7AM Mar 9, 2013



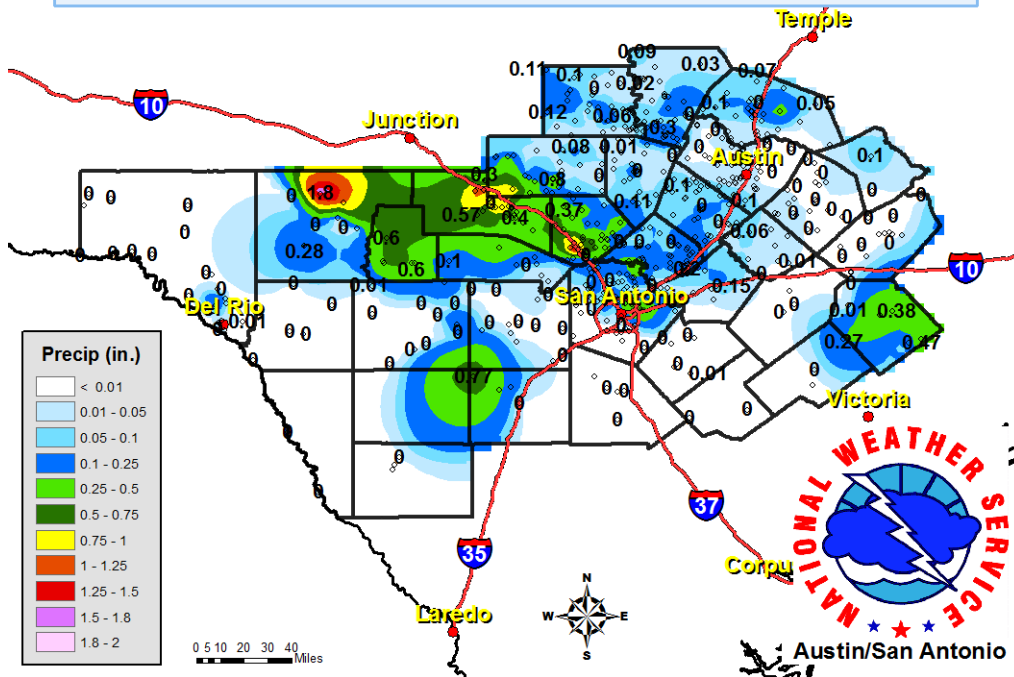
24Hr Rainfall Ending 7AM MAR 10, 2013



24Hr Rainfall Ending 7AM Mar 20, 2013



24Hr Rainfall Ending 7AM Apr 1, 2013



March 2013 Weather Summary...

March began with very dry conditions. After a reinforcing wave of cooler air came across South Central Texas February 28th, dry north winds weakened Friday morning March 1st and then increased again late in the afternoon and evening Friday March 1st to Saturday, March 2nd, with the passage of another fast moving cold front. This brought very dry conditions to the area by late Saturday, March 2nd. From very dry conditions in the morning on Sunday the 3rd, moisture increased slowly in the afternoon, Sunday the 3rd, as south and southeast winds at 15 to 30 mph developed in the afternoon. The south winds continued to bring slightly more moisture the night of the 3rd to the morning of Monday the 4th.

South to southwest winds on Monday, March 4th brought a warm air mass across the region. The warmest afternoon highs at most places since January 29th were observed on March 4th, 2013 in advance of a cold front, in a similar pattern to what came on January 29th. On Monday, March 4th Del Rio reached 92; Hondo 91; Llano 91; Pleasanton 90; Austin Mabry 89; Burnet 88; Kerrville 88; Austin Bergstrom 87; Fredericksburg 87; and San Antonio 87. The high of 92 at Del Rio tied the daily record for March 4th of 92 previously observed on March 4, 1938. Daytime highs cooled off 15 to 20 degrees the next day on Tuesday, March 5th in wake of a strong cold front that moved across South Central Texas, and brought wind gusts to between 35 and 50 mph at most locations. The highest winds were 56 mph at 1 mile south of Bee Cave and 53 mph at Hondo Municipal Airport. A partly cloudy day on Thursday, March 7th became a mostly cloudy in the late afternoon and evening, as low clouds from the south returned rapidly, in advance of a developing storm system to the west, that brought a severe weather event March 9th and 10th. As moisture increased quickly the night of the 7th to the morning of Friday the 8th, patchy fog and drizzle came to the area Friday morning the 8th. Mostly cloudy conditions lingered Friday the 8th with scattered light showers. The clouds and light rain returned the morning of Saturday, March 9th. Overnight lows warmed quickly, with the cloud cover and moisture the night of the 8th and 9th.

A storm system moved into West Texas Saturday the 9th and brought more unstable conditions to Central and South Central Texas. Thunderstorms developed in the afternoon across North and West Texas along the dry line and moved east. As the line of storms moved east, the south and southwest part of the line became more active in the late afternoon and early evening. This brought an area of thunderstorms to the Edwards Plateau in the early evening around 8 PM, which moved across the Hill Country during the evening, and to the I35 corridor around 11 PM to 2 AM. Winds gusted to between 35 and 50 mph, along with large hail, from the stronger thunderstorms. The storms diminished after 3 AM on Sunday, March 10th. A sunny, breezy and dry day followed Sunday, March 10th with afternoon highs 10 to 20 degrees cooler than on Saturday, March 9th.

On the week of Monday, March 11th to Friday March 15th cool nights to mild afternoons along with dry weather persisted as a nearly stationary ridge aloft maintained stable weather for the week. The humidity increased late Friday the 15th through the weekend of the 16th and 17th, along with late night and morning clouds. The warming trend continued through March 18th. The warmest day of March 2013 came on Monday March 18th, when highs warmed to the 80s and 90s. Record daily high temperatures were observed at Austin and San Antonio and tied at Del Rio. A record daily high for March 18th of 90 was observed at Austin Mabry, breaking the old record of 88 set on March 18, 2011, and at Austin Bergstrom the high of 90 broke the March 18th daily record of 88 set on March 18, 1957. At San Antonio, the high of 95 on March 18, 2013 broke the March 18th daily record of 93 observed on March 18, 1894. At Del Rio, the high of 94 tied the March 18th record of 94 previously observed on March 18, 1928.

A strong disturbance came from the northwest, associated with a front the evening of the 19th to the morning of March 20th, bringing scattered showers and thunderstorms. Some of the thunderstorms were severe and produced large hail and strong wind gusts. A 67 mph wind gust was observed at Burnet at 157 AM, March 20th. Hail to the size of 2 inches was observed in Lexington at 1220 AM, March 20th. As the disturbance moved east, the thunderstorms decreased from after 530 AM to 7 AM, March 20th. Drier weather came during the daytime hours on Wednesday the 20th, the first day of spring for 2013, as Spring of 2013 began at 602 AM CDT.

A warming trend on Friday, March 22nd and Saturday, March 23rd ended on Saturday night the 23rd and Sunday morning the 24th, as a strong cold front swept across South Central Texas from the north bringing wind gusts near 35 to 45 mph. Daytime highs on Sunday, March 24th were 10 to 20 degrees cooler than on the 23rd. The cooler air was followed by reinforcing waves of cool air from the north, bringing several unseasonably cool days. A late March freeze came to northern parts of the Hill Country and to a few locations over adjacent parts of Central Texas early Monday morning the 25th. With dry conditions and light winds, cold nights followed the evening of the 25th to the morning of the 26th, with lows just below and near freezing across the Hill Country to parts of South Central Texas. The cold overnight lows set a few records lows at Austin Bergstrom, where a low of 26 on March 26th broke the old record of 28 in 1955, and a low of 30 on March 27th broke the old daily record of 32 set March 27, 1955. After cold daily lows on March 27th, a slow warming trend followed on Thursday and Friday, March 28th and 29th.

On March 30th, after a cloudy morning, mostly sunny conditions followed in the afternoon with warmer afternoon highs. This changed on Sunday March 31st, as a cold front and disturbance moved across the area from the northwest, bringing a line of thunderstorms that caused hail and strong winds in the afternoon to early evening. Some of these thunderstorms were severe. Thunderstorm events with severe thunderstorms came 3 times in March of 2013, the first on March 9th and March 10th; the 2nd on the evening of March 19th to the early morning of March 20th; and the 3rd on the afternoon and evening of March 31st.

